

**To:** "tom.kropatsch@wyo.gov" [tom.kropatsch@wyo.gov]; Vickie Meredith (vickie.meredith@wyo.gov)" [vickie.meredith@wyo.gov]  
**Cc:** Robert Parker/R8/USEPA/US@EPA[]  
**From:** "Derr, Kirsten L." <Kirsten.Derr@encana.com>  
**Sent:** Mon 10/8/2012 4:17:56 PM  
**Subject:** FW: Pavillion VRP Sites - Geotech results  
[ATT TP24-3 Geotech Sample Results.pdf](#)  
[4-TP 42x-11Geotech results 2011.pdf](#)  
[TP 14-11 Geotech results.pdf](#)

Tom and Vickie,

Attached is the soil density and porosity information we discussed on Friday. I have also asked AECOM to get an FOC sample this week so those results will probably be about a few weeks to a month out.

Kirsten

From: Krajewski, Dustin [mailto:Dustin.Krajewski@aecom.com]  
Sent: Monday, October 08, 2012 10:08 AM  
To: Derr, Kirsten L.  
Subject: Pavillion VRP Sites - Geotech results

Kirsten,

Below is a summary of the geotechnical results for the Pavillion VRP Sites. I attached the lab reports in case you wanted to send the back up to Tom and Vickie. Let me know if you need anything else.

Dustin

#### TP 14-11

Vadose (3.5 – 5 feet bgs): Specific Gravity 2.77; Wet Density 129.4 pcf; Dry Density 112.8 pcf; Total Porosity 34.727

Soil/Water Interface (8.5 – 10 feet bgs): Specific Gravity 2.66; Wet Density 118.7 pcf; Dry Density 90.8 pcf; Total Porosity 45.276

Saturated (10 – 11.5 feet bgs): Specific Gravity 2.69; Wet Density 127.2 pcf; Dry Density 96.9 pcf; Total Porosity 42.212

#### TP 42x-11

Vadose (2 – 3.5 feet bgs): Specific Gravity 2.64; Wet Density 101.5 pcf; Dry Density 91.8 pcf; Total Porosity 44.193

Soil/Water Interface (3.5 - 5 feet bgs): Specific Gravity 2.72; Wet Density 115.4 pcf; Dry Density 102.0 pcf; Total Porosity 39.895

Saturated (5 - 7 feet bgs): Specific Gravity 2.70; Wet Density 119.4 pcf; Dry Density 95.7 pcf; Total Porosity 43.259

#### TP 24-3

Vadose (3.5 – 5 feet bgs): Specific Gravity 2.74; Wet Density 112.5 pcf; Dry Density 89.1 pcf; Total Porosity 47.818

Soil/Water Interface (8 – 9.5 feet bgs): Specific Gravity 2.67; Wet Density 110.0 pcf; Dry Density 88.2 pcf; Total Porosity 47.145

Saturated (14 - 15 feet bgs): Specific Gravity 2.67; Wet Density 115.4 pcf; Dry Density 94.7 pcf; Total Porosity 43.086